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DEC 03 1998 Sheet 1 of 1

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Form PTO-1449 (Modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement

(Use several sheets if necessary)

Atty Docket No. **Group 2700** Serial No.

NRWB:003

08/727,505

Applicant  
Paul A. Brown

Filing Date

Group ~~2602~~ **2711**  
Examiner


Jan. 17, 1997

Reference Designation				U. S. Patent Documents			
Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
	AA						
	AB						
	AC						
	AD						
	AE						
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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	AL					
	AM					
	AN					
	AO					
	AP					

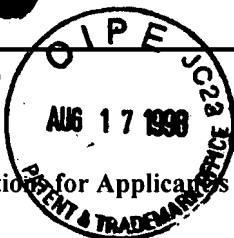
## OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

	AR	J. Gohari, "Power-Line Carrier," <u>Fundamentals Handbook of Electrical and Computer Engineering, Vol. II, Communication, Control. Devices, and Systems</u> , (Sheldon S. L. Chang, editor), John Wiley & Sons, New York, 1983, pp. 617-627.
	AS	
	AT	

Examiner **Chris Grant**Date Considered **11/26/98**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## List of Patents and Publications for Applicant

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.  
NRWB:003Serial No.  
08/727,505Applicant  
Paul A. BrownFiling Date:  
01/17/97Group:  
~~2602~~ 2711U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1Other Art  
See Page 1

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
Ch	A1	5,717,685	02/10/98	Abraham	370	30	06/02/95
	A2						
	A3						

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
Q	B1	WO 93/23928	11/25/93	PCT	HO4B	1/38	
	B2						
	B3						

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Ch	C1	Keith Nichols, "Build A Pair Of Line Carrier Modems," <u>Radio Electronics</u> , July 1988, pp. 87-91.
	C2	
	C3	
	C4	

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Chin Grant

DATE CONSIDERED:

11/26/99

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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Sheet 1 of 1

Form PTO-1449 (MPEP 316)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement

(Use several sheets if necessary)

Atty Docket No.

Serial No.

NRWB:003

08/727,505

Applicant  
Paul A. Brown

Filing Date

Group

Jan. 17, 1997

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## Reference Designation

## U. S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>GH</i>	AA 3,696,383	10/72	Oishi et al.	340	310	
<i>GH</i>	AB 4,471,399	9/84	Udren	361	64	
<i>GH</i>	AC 4,517,548	5/85	Ise et al.	340	310 R	
<i>GH</i>	AD 5,406,249	4/95	Pettus	340	310.08	
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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	AL					
	AM					
	AN					
	AO					
	AP					

## OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

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Examiner

*Chris Grant*

Date Considered

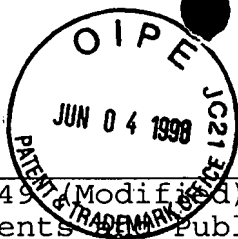
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Sheet 1 of 1

Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure Statement  (Use several sheets if necessary)	Atty Docket No.	Serial No.
	NRWB:003	08/727,505
	Applicant Paul A. Brown	
	Filing Date Jan. 17, 1997	Group <del>2602</del> <b>274</b> Examiner

Reference Designation				U. S. Patent Documents			
Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	AA	5,684,450	11/97	Brown	340	310.02	
	AB	4,766,414	8/88	Shuey	340	310 A	
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GROUP 2700

FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation Yes/No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)							
	AR	Informal English translation of French Application No. 7621599 corresponding to French Patent 2,326,087 (Zellweger Uster S.A.)					
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	AT						
	AU						

Examiner	Date Considered 11/28/98
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**Form PTO-1449** (modified)List of Patents and Publications  
For Applicant's Information

Disclosure Statement

(Use several sheets if necessary)

ATTY. DOCKET NO.  
NRWB:003---SERIAL NO.  
08/727,505

APPLICANT: PAUL A. BROWN

FILING DATE  
January 17, 1997GROUP  
2711**U.S. PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>Ch</i>		5,319,634	06/1994	Bartholomew et al.	370	18	
<i>Ch</i>		5,066,939	11/1991	Mansfield	340	310 R	
<i>a</i>		2,577,731	12/1951	Berger			

**FOREIGN PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

**OTHER (Author, Title, Journal, Volume, Pertinent Pages, & Date)**

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DATE CONSIDERED

*11/26/99*


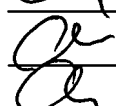
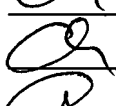
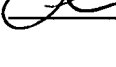
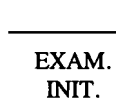

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Information Disclosure Statement--PTO-1449 (Modified)

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<b>Form PTO-1449</b> (modified)  List of Patents and Publications For Applicant's Information  Disclosure Statement  (Use several sheets if necessary)	ATTY. DOCKET NO. NRWB:003---	SERIAL NO. 08/727,505
	APPLICANT: PAUL A. BROWN	
	FILING DATE January 17, 1997	GROUP <del>2602</del> 2711

**U.S. PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		3,942,170 /	03/1976	Whyte	340	310 A	
		4,142,178 /	02/1979	Whyte et al.	340	310 R	
		4,475,209 /	10/1984	Udren	375	4	
		5,068,890 /	11/1991	Nilssen	379	90	
		5,148,144 /	09/1992	Sutterlin et al.	340	310 A	
		5,497,142 /	03/1996	Chaffanjon	340	310.06	


**FOREIGN PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

**OTHER ART (Author, Title, Journal, Volume, Pertinent Pages, & Date)**

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*Information Disclosure Statement--PTO-1449 (Modified)*

Form PTO-1449 (Modified) List of Patents and Publications for Applicant's Information Disclosure Statement	Atty Docket No.: NRWB:003	Serial No.: 08/727505 <del>PCT/GB95/00893</del> U.S. Serial No. unknown
	Applicant(s): Paul Anthony BROWN	
	Filing Date: Int'l.: 20 Apr. 1995 35 U.S.C. § 371: unknown	Group: unknown 2711

U.S. Patent Documents

Exam. Init.	Patent Number	Issue Date	Inventor Name(s)	Class/Subclass	Filing Date
Ch	1,547,242	7/1925	Strieby		
Ch	3,993,989	11/1976	Held et al.	340/310 R	
Ch	4,359,644	11/1982	Foord	307/40	
Ch	4,367,522	1/1983	Forstbauer et al.	363/137	
Ch	4,383,243	5/1983	Krügel et al.	340/310	
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Ch	4,419,621	12/1983	Becker et al.	324/51	
Ch	4,772,870	9/1988	Reyes	340/310	
Ch	4,912,553	3/1990	Pal et al.	358/86	
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Exam. Init.	Doc. Number	Date	Country	Class/Subclass	Translation Yes/No
Ch	GB 2101857	1/1993	United Kingdom	H04B / 3/56	
Ch	GB 1548652	7/1979	United Kingdom	H04B / 3/54	
Ch	EP 0141673	5/1985	Europe	H04B / 3/56	
Ch	WO92/16920	10/1992	PCT	H04B / 3/54	
Ch	WO84/01481	4/1984	PCT	H04B / 3/54	
Ch	WO 94/09572	4/1994	PCT	H04B / 3/54,3/56	



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Form PTO-1449 (Modified)  
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Atty Docket No.

NRWB:003

Serial No.

08/727,505  
(PCT/GB95/00893)

Applicant

Paul A. Brown

(Use several sheets if necessary)

Filing Date

Int'l 4/20/95

35 USC 371: 1/17/97

Group  
Examiner

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## Reference Designation

## U. S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>Ch</i>	AA 4,479,033	10/1/84	Brown et al.	179	2.51	
<i>Ch</i>	AB 4,701,945	10/87	Pedigo	379	66	
<i>Ch</i>	AC 5,559,377	9/96	Abraham	379	66	6/94
<i>Ch</i>	AD 3,846,638	11/74	Wetherell	307	3	

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
<i>Ch</i>	AL WO93/07693	4/93	PCT, WIPO	H04J	13/00	
<i>Ch</i>	AM 2,326,087	4/77	France	H04B	3/54	Abstract
<i>Ch</i>	AN WO94/09572	4/94	PCT, WIPO	H04B	3/54	
<i>Ch</i>	AO 2,272,350	5/94	Great Britain	H04B	3/56	
<i>Ch</i>	AJ WO90/13950	11/90	PCT, WIPO	H04B	1/50	

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<i>Ch</i>	AR	JP62120735, Patent Abstracts of Japan, Vol. 11 No. 341 (E-554) 2 June 1987, Kaoruet al., Method and Apparatus for Frequency Hopping Stread Spectrum Power Line Carrier Communication, 1 page.
<i>Ch</i>	AS	JP62030428, Patent Abstracts of Japan, Vol. 11 No. 209 (E-521) 9 Feb. 1987, Kondo Tomio, Current Superposition Type High Frequency Circuit, 1 page.
<i>Ch</i>	AT	JP1276933, Patent Abstracts of Japan, Vol. 14, No. 51 (E-0881) 30 Jan. 1990, Uchida Hiroshi, Transformer Bypass Circuit, 1 page.
	AU	

Examiner

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Atty Docket: NRW:003

Serial No.: unknown (PCT/GB95/00893)

Group Art Unit: unknown

08/727,505

## Other Information (including author, title, date, pertinent pages, etc.)

Ex. Init.	Description
Ch	J. R. Formby and R. N. Adams, "The Mains Network As A High Frequency Signalling Medium," The Electricity Council, Great Britain, Jan. 1970
Ch	J. M. Barstow, "A Carrier Telephone System for Rural Service," AIEE Transactions, Vol. 66, 1947, New York, NY, pp. 501-507.
Ch	I. C. Vercellotti & I. A. White, "Distribution Power Line Communications for Remote Meter Reading and Selective Load Control," Proceedings of the American Power Conference 1974, Vol. 36, pp. 1114-1119.
Ch	B. Ron Russell, editor, "Communication Alternatives for Distribution Metering and Load Management," Record of Panel Presentations, 1979 Summer Power Meetings, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 4, July/August 1980, IEEE, New York, NY, pp. 1448-1455.
Ch	Glen Lokken et al., "The Proposed Wisconsin Electric Power Company Load Management System," 1976 Nat. Telecomm. Conf., Dallas, Texas, Nov. 1976, IEEE, New York, NY, pp. 2.2-1 to 2.2-3.
Ch	J. H. Bull et al., "A Survey of Mains Signalling Within the UK," ERA Report No. 86-0038, ERA Technology Limited, Surrey, England, April 1986, pp. 1-52, AA.2-AA.5, FIGS. 1-33, Table I.
Ch	British Standards, "Signalling on low-voltage electrical installations in the frequency range 3KHz to 148.5KHz," BS EN 50065-1, 1992 (2 pages); Electromagnetic compatibility - Generic emission standard," BS EN 50081-1 (2 pages); "Telecontrol equipment and systems," BX 7407 (870-1-1) (1 page).
Ch	Draft standard, "Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kKz to 148.5 kHz, Part 4: Filters at the interface of the indoor and outdoor electricity network," EN 50 065-4 April 1992 (11 pages).
Ch	Draft standard, "Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kKz to 148.5 kHz, Part 7: Equipment Impedance, EN 50 065-7 April 1992 (3 pages).
Ch	"Coaxial Feeder Cables," Engineering Notes, Publication Ref. No. TSP507/1, Pye Telecommunications Limited, Cambridge, England, June 1975, pp. 1-13.

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12/16/99

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